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# OVERALL EVALUATION OF ERTS IMAGERY FOR CARTOGRAPHIC APPLICATION

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IMAGERY FOR CARTOGRAPHIC APPLICATION  
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Type I Progress Report  
ERTS-A

- a. Title: Overall Evaluation of ERTS Imagery for Cartographic Application  
ERTS-A Proposal No.: MMC 233
- b. GSFC ID No. of P.I.: IN 014
- c. Problems: Obtaining imagery in a consistent geometric form and scale is the current problem. This involves the use of an error free projection, which with proper corrections, should result in sequential imagery that will register to the extent that change detection can be defined in an log mode. A second problem is the variations in the ERTS orbit which in many cases exceed the +10 km desired for image format presentation.
- d. Accomplishments:
  - o The concept of the image format has been emphasized. An abstract of the paper presented on this subject at the American Society of Photogrammetry Symposium at Sioux Falls on Oct. 31 is attached.
  - o A computer printout of the Nominal ERTS scenes for the 48 states has been prepared and is being furnished to NASA through experiment No. 150.
  - o ERTS imagery of coastal areas in Mexico has been obtained and is being forwarded to the Defense Mapping Agency for evaluation with respect to charting.
  - o A paper relative to the cartographic requirements for an operational ERTS type satellite is being prepared for presentation at the NASA ERTS symposium during December 1973.

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